

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please claims 1 and 41 as follows:

B¹ ✓ 1. (currently amended) An assembly for effecting the condition of a mitral valve annulus of a heart comprising:
a guide wire configured to be fed into the coronary sinus of the heart; and
a resilient mitral valve annulus device configured to be deformed and slidingly received on the guide wire and advanced into the coronary sinus of the heart on the guide wire and that reshapes the mitral valve annulus when in the coronary sinus of the heart,
wherein the mitral valve annulus device has opposed ends and includes a guide wire engaging structure at at least one of the opposed ends.

✓ 2. (original) The assembly of claim 1 wherein the guide wire is an elongated coil.

3. Canceled.

✓ 4. (previously amended) The assembly of claim 1 wherein the guide wire engaging structure includes a bore dimensioned to permit the guide wire to pass therethrough.

✓ 5. (original) The assembly of claim 4 wherein the device further includes a guide wire confining channel extending between the opposed ends.

✓ 6. (original) The assembly of claim 4 wherein the bore of the guide wire engaging structure is cylindrical in configuration.

✓7. (original) The assembly of claim 6 wherein the device further includes a guide wire confining channel extending between the opposed ends and aligned with the bore.

✓8. (original) The assembly of claim 1 wherein the guide wire is formed of a material visible under X ray fluoroscopy.

✓9. (original) The assembly of claim 1 wherein at least a portion of the device is visible under X ray fluoroscopy.

✓10. (original) The assembly of claim 1 wherein the device is visible under X ray fluoroscopy.

✓11. (original) The assembly of claim 1 further including an elongated introducer configured to be slidingly received on the guide wire proximal to the device.

✓12. (original) The assembly of claim 11 wherein the introducer is an elongated coil.

✓13. (original) The assembly of claim 11 wherein the device includes a proximal end, the introducer includes a distal end, and wherein the assembly further includes a releasable locking mechanism configured to releasably lock the proximal end of the device to the distal end of the introducer.

✓14. (original) The assembly of claim 13 wherein the releasable locking mechanism includes a locking pin and a complimentary detented locking groove.

✓15. (original) The assembly of claim 11 further including a guide tube having an inner lumen dimensioned for receiving the guide wire and the device and introducer when the device and introducer are slidingly received on the guide wire.

16. - 40. Canceled.

✓41. (currently amended) An assembly for effecting the condition of a mitral valve annulus of a heart comprising:

guide wire means for extending along a predetermined path into the coronary sinus of the heart; and

resilient mitral valve annulus reshaping means for sliding along the guide wire means in a deformed state and being advanced into the coronary sinus of the heart,

wherein the mitral valve annulus reshaping means has opposed ends and includes guide wire engaging means at at least one of the opposed ends.

✓42. (original) The assembly of claim 41 wherein the guide wire means comprises an elongated coil.

43. Canceled.

✓44. (previously amended) The assembly of claim 41 wherein the guide wire engaging means includes a bore dimensioned to permit the guide wire means to pass therethrough.

✓45. (original) The assembly of claim 44 wherein the reshaping means further includes channel means extending between the opposed ends for confining the guide wire means.

✓46. (original) The assembly of claim 44 wherein the bore of the guide wire engaging means is cylindrical in configuration.

✓47. (original) The assembly of claim 46 wherein the reshaping means includes guide wire channel means extending between the opposed ends and aligned with the bore for confining the guide wire means.

✓48. (original) The assembly of claim 41 wherein the guide wire means is formed of a material visible under X ray fluoroscopy.

✓49. (original) The assembly of claim 41 wherein at least a portion of the reshaping means is visible under X ray fluoroscopy.

✓50. (original) The assembly of claim 41 wherein the reshaping means is visible under X ray fluoroscopy.

✓51. (previously amended) The assembly of claim 41 further including an elongated introducer means configured to be slidably received on the guide wire means proximal to the reshaping means for pushing the reshaping means along the guide wire means.

✓52. (original) The assembly of claim 51 wherein the introducer means comprises an elongated coil.

✓53. (original) The assembly of claim 51 wherein the reshaping means includes a proximal end, the introducer means includes a distal end, and wherein the assembly further includes releasable locking means for releasably locking the proximal end of the reshaping means to the distal end of the introducer means.

✓54. (original) The assembly of claim 53 wherein the releasable locking means comprises a locking pin and a complimentary detented locking groove.

✓55. (previously amended) The assembly of claim 51 further including a guide tube means having an inner lumen dimensioned for receiving the guide wire means and the reshaping means and introducer means when the reshaping means and introducer means are slidably received on the guide wire means.

✓56. (original) A mitral valve annulus constricting device for reshaping and effecting the condition of a mitral valve annulus of a heart comprising a resilient member having a cross sectional dimension for being received within the coronary sinus of a heart and having a longitudinal dimension having an arched configuration for partially encircling the

mitral valve and exerting an inward pressure on the mitral valve when within the coronary sinus adjacent the mitral valve for constricting the mitral valve annulus, the device having a distal end, a proximal end, a bore through at least one of the ends, and a channel extending between the ends, the channel and bore permitting the device to be slidingly received on a guide wire.

✓ 57. (original) A mitral valve annulus therapy device comprising a generally C-shaped member formed of resilient material for exerting a substantially radially inward force on the mitral valve annulus when placed in the coronary sinus of a heart about and adjacent to the mitral valve, the device having a guide wire receiving structure that slidingly mounts the device on a guide wire.

B ✓ 58. (new) The device of claim 57 wherein the guide wire receiving structure includes a bore dimensioned to permit a guide wire to pass therethrough.

✓ 59. (new) The device of claim 58 wherein the bore of the guide wire receiving structure is cylindrical in configuration.

✓ 60. (new) The device of claim 58 wherein the device has opposed ends, the guide wire receiving structure further including a guide wire confining channel extending between the opposed ends.

✓ 61. (new) The device of claim 60 wherein the guide wire confining channel is aligned with the bore.

✓ 62. (new) The device of claim 57 wherein the device is visible under X ray fluoroscopy.

✓ 63. (new) The device of claim 57 further comprising a releasable locking mechanism configured to releasably lock the device to an introducer.

✓ 64. (new) The device of claim 57 wherein the C-shaped member is configured to be deformed to a deformed shape while the device is being advanced into the coronary sinus.

✓ 65. (new) The device of claim 57 wherein the C-shaped member is further configured to change from a deformed shape toward an unstressed shape to reshape the mitral valve annulus when in the coronary sinus of the heart.

✓ 66. (new) The device of claim 65 wherein the mitral valve annulus has a radius, the unstressed shape having a radius smaller than the radius of the mitral valve annulus.

✓ 67. (new) The device of claim 56 further comprising a releasable locking mechanism configured to releasably lock the device to an introducer.

✓ 68. (new) The device of claim 56 wherein the device is further configured to change from a deformed shape toward an unstressed shape to reshape the mitral valve annulus when in the coronary sinus of the heart.

✓ 69. (new) The assembly of claim 68 wherein the unstressed shape is said arched configuration.

✓ 70. (new) The assembly of claim 69 wherein the mitral valve annulus has a radius, the unstressed shape having a radius smaller than the radius of the mitral valve annulus.

✓ 71. (new) The assembly of claim 1 wherein the mitral valve annulus device is further configured to change from a deformed shape toward an unstressed shape to reshape the mitral valve annulus when in the coronary sinus of the heart.

✓ 72. (new) The assembly of claim 71 wherein the unstressed shape has an arched configuration.

73. (new) The assembly of claim 72 wherein the mitral valve annulus has a radius, the unstressed shape having a radius smaller than the radius of the mitral valve annulus.

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